DENVER
INSTRUMENT

Serie DL

Balanzas Electronicas Portátiles

Serie DL-Balanzas Portátiles

La ultima generación de balanzas de bajo coste

La Serie más Ligera de DENVER que ofrece la mejor alternativa a un precio economico para las aplicaciones basicas del peaje. Funcionamiento con pilas.

Tan solo con una pila de 9V la Serie DL permite la maxima portabilidad.

Modo ahorro de consumo.
La balanza se apaga tras un determinado periodo de tiempo, seleccionable de 1 a 9 minutos.

Ultraligeras para transportarlas.
Las balanza DL solo pesan 380 g. El ligero peso y su estudiado diseno la hacen perfecta para todas las condiciones

Plato de gran tamaño
EL plato cuadrado proporciona un amplio espacio para pesar la mayoria de las muestras. Este plato puede retirarse para una rapida y comoda limpieza. El adaptador de corriente CA esta disponible como accesorio.

Dos años de Garantia

Facil operacion con solo tres teclas
Presionando la tecla "On/Tare" encendemos la balanza o estabilizamos a cero; con la tecla "Unit" cambiamos de unidad. La tecla "Off" desconecta la balanza. Calibración con pesa externa (consultar segun modelo).

Especificaciones Comunes:

Dimensiones (LxWxH):	190x140x34 mm
Peso Neto:	380 g
Temperatura de trabajo:	10°C-30°C
Requisitos de potencia:	Pila 9V o Adaptador (El Adaptador CA se vende por separado)

Modelo	DL-501	DL-2	DL-3
Capacidad	500 g	2000 g	3000 g
Legibilidad	0.1 g	0.5 g	1 g
Rango de T	0 to 500 g	0 to 2000 g	0 to 3000 g
Repetibilidad	0.1 g	0.5 g	1 g
Linealidad	0.1 g	±0.5 g	±1 g
Dim.plato	138 x 138 mm	138 x 138 mm	138 x 138 mm

Denver Instrument GmbH
Robert-Bosch-Breite 10
37079 Göttingen
Telefon +49.551.209 77-30
Telefax +49.551.209 77-39
www.denverinstrument.com
info@denverinstrument.de

Agencia en Espana:
ELNOR IBERICA,S.A.
Ronda de Poniente nº 4
Centro Empresarial EURONOVA
28760-TRES CANTOS- Madrid
Telefono 91-8060409
Telefax 91-8041496

DENVER
INSTRUMENT

Analizadores de Humedad

Modelos: IR-120, IR-60, IR-35

Premium

El modelo IR-120 es el nuevo analizador de la serie Premium de Denver Instrument. Este analizador usa la nueva y revolucionaria fuente calefactora llamada CQR, que garantiza alta reproducibilidad y rapidez en los resultados.

El IR-120 tiene motorizada la cubierta de la camara de muestras, reduciendo asi sustancialmente los efectos de las corrientes de aire cuando depositamos la muestra e iniciamos la medida.

Un conjunto de pesada de alta precisión proporciona 1mg de resolucion y una capacidad de muestra de 120g, 0,01% de precision de lectura, 100 programas en memoria e instrucciones de uso mediante simbolos - esas son las caracteristicas que usted puede esperar en un producto premium y encontrar en el IR-120.

Este analizador incorpora una impresora lo cual hace de una manera muy facil generar impresiones de conformidad GLP-/GMP.

Funcionamiento simple con el menu en 5 idiomas y, un extenso software integrado proporcionan al usuario un alto nivel de flexibilidad. El IR-120 es facil de limpiar gracias a su cosntruccion pudiendo desmontar la base de la camara de muestras.

Denver Instrument usa por primera vez en un analizador un novedoso sistema de calentamiento, el CQR (Coiled Quartz Radiator), nueva generacion de calentador de cristal de cuarzo con una novedosa tecnologia que combina todas las ventajas de las fuentes de calor disponibles, mientras que elimina sus desventajas. El elemento calefactor CQR ofrece la velocidad similar a otras fuentes de calor conocidas, sin embargo distribuye los rayos de manera mucho mas uniforme sobre la superficie de la muestra.

Especificaciones del IR-120

Capacidad de pesada	120 g
Precision del conjunto de pesada	1 mg
Legibilidad	0.01 %
Reproducibilidad	Peso muestra inicial ≥ 1 g (%) +/– 0.10 Peso muestra inicial ≥ 5 g (%) +/– 0.02
Rango de temperatura ajustable en incrementos de 1 ºC	30 - 210 ºC
Temperatura de reposo	40–100 °C
Fuente calefactora	CQR quartz glass radiator
Programas memorizables	100
Dimension platillo de muestras	d = 90 mm
Modo de analisis	Automatico total Semi-automatico g/seg. Semi-automatico %/seg. Tiempo 3 x 1 – 99 Tiempo + Automatico
Puerto serie para la transferencia de datos a impresora o PC	RS232

Standard

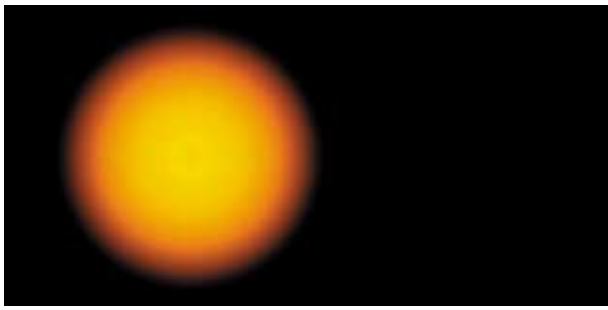
El IR-60 establece un nuevo estandar en la categoria compacta de analizadores de humedad. Alta capacidad de pesada de muestra, mas facil de usar que nunca, construccion compacta y una nueva y revolucionaria fuente de calor hacen del IR-60 un analizador invencible en su clase.

Al igual que el anterior modelo, el IR-30, decidimos crear un equipo compacto . Al mismo tiempo, tambien aumentamos considerablente los rangos de funcionamiento del IR-60. Aumentando el rango de temperatura hasta 210 ºC y la capacidad maxima de muestra inical del conjunto de pesada a 60 gr, y una guia intuitiva de usuario hacen del IR-60 unico en prestaciones en su clase.
Guiado por simbolos, el usuario puede navegar sin esfuerzo a través del menu y facilmente seleccionar la configuracion que sea optima para sus necesidades especificas.

El IR-60 es un ejemplo mas del sencillo e increible concepto de funcionamiento desarrollado por Denver Instrument.

Especificaciones del IR-60

Capacidad de pesada	60 g
Precision del conjunto de pesada	1 mg
Legibilidad	0.01 %
Reproducibilidad	Peso muestra inicial ≥ 1 g (%) +/– 0.20 Peso muestra inicial ≥ 5 g (%) +/– 0.05
Rango de temperatura ajustable en incrementos de 1 ºC	40–210 °C
Temperatura de reposo	40–100 °C
Fuente calefactora	CQR quartz heater
Programas memorizables	5
Dimension platillo de muestras	d = 90 mm
Modo de analisis	Automatico total Semi-automatico 0–20 mg/24 seg. Tiempo 0 – 99
Puerto serie para la transferencia de datos a impresora o PC	RS232



Los beneficios del cliente con este desarrollo son claros: Tiempos de respuesta mas rapidos y mayor reproducibilidad de los resultados obtenidos con la nueva fuente calefactora CQR, junto con una rapida y uniforme distribucion del calor sobre la superficie de la muestra.

Basic

El analizador para análisis de humedad de substancias orgánicas e inorgánicas.
Permite la determinación del contenido de humedad de agua, grasa, aceite,etc en alimentos, materiales de construcción, madera o papel –
este analizador puede ser universalmente utilizado en la industria química, farmacéutica, análisis ambiental y tratamiento de aguas residuales.

Especificaciones Generales del IR-35	
Capacidad de pesada	35 g
Precisión de la medida	1 mg
Reproducibilidad	de un peso innicial de 1 g (%) +/– 0,20 de un peso inicial de of 1 g (%) +/– 0,05 0,01 %
Modos de lectura en el display	Humedad, peso seco, RATIO (%), residuo (g)
Modos de analisis	Totalmente automatico, Timer programado de 0,1 – 99 min
Calentamiento de muestra	Fuente Infraroja usando elementos metálicos
Rango de temperatura	40 –160 °C
Establecimiento de la T	En intervalos de 1ºC
Guía de operación	Mediante Iconos
Impresión	Según protocolo GLP en alemán, inglés, francés,español,italiano
Interface de datos	RS232C para transmisión de datos a impresora o PC.
Dimensiones (WxDxH)	224 x 366 x 191 mm
Peso neto	ca. 5,8 kg

El IR-35 es el nuevo Analizador de humedad Básico-
la resolución y el concepto de su fácil manejon lo convierten en el equipo ideal para los análisis de rutina, inspecciones, y en control de producción.
El gran y claro display, ofrece al usuario toda ua información necesaria de una sóla vez. La nueva guia mediante simples iconoshe permiten al usuario introducirse fácilmente en los menús y en todas sus aplicacionesnd. La determinación del punto final puede ser automática. El proceso de secado se puede monitorizar constantemente, así el IR-35 detiene el proceso de secado automáticamente cuando detecta que se ha alcanzado un peso estable de la muestra.

Accesorios	
Platos de muestra	Cat. Nr. 900274-1 80 piezas, Aluminio, ∅ 90 mm
Filtros fibra de vidrio	Cat. Nr. 900298-1 80 piezas
Impresora	Cat. Nr. 901042-1

Oficina en España:

Elnor Iberica,S.A.
Ronda de Poniente nº4
28760-TRES CANTOS-Madrid

Tel +34-91-8060409
Fax +34-91-8041496

Denver Instrument GmbH

Robert-Bosch-Breite 10
37079 Göttingen

Tel. + 49. 551. 209 77 - 30
Fax + 49. 551. 209 77 - 39

www.denverinstrument.com

DENVER INSTRUMENT

TECNOLOGÍA ALEMANA

125 years Calidad mediante Innovación

Serie – MAXX
MÁXima Balanza – Mínimo Precio

Denver Instrument presenta una nueva línea de Balanzas Compactas Portátiles, estableciendo nuevos estandares en esta clase. La Serie MAXX- una alta precisión hasta el mg- y un extenso rango de modelos - todos ellos a un precio imbatible. La última y más avanzada tecnología de pesaje controlada por microprocesador garantiza rápidos y precisos resultados en cualquier momento. También la Serie MAXX incluye un extenso rango de programas de aplicación mediante un sencillo manejo, además con un gran display iluminado y a un precio sin competencia.

Versión 1

Versión 2

Versión 3

Características y Configuración

– Display de gran tamaño iluminado para facilitar las lecturas.
– Teclas grandes y protegidas para un sencillo manejo.
– Máxima protección contra sobrecargas.
– Plato de pesada de acero inox de alta calidad.
– Diseño compacto.
– Guía de usuraio sencilla y lógica.
– Calibración externa - Totalmente automática.
– Programas de aplicación: 13 unidades diferentes de pesada, commutación entre dos unidades diferentes de pesada, cuentapiezas, pesada en %-, formulación, display estático, determinación de gravedad específica.
– Pesa de Calibración incluída en los mod. MXX-123, MXX-212, MXX412, MXX-612.
– Adaptador CA- o funcionamiento con baterías (mod. MXX-123-sólo con adaptador).
– Accesorio para pesada por debajo de balanza - Pesada hidrostática.
– Adaptador CA incluído.
– Dispositivo de seguridad.
– Ahorro de pilas en modo reposo "Battery saving sleep-mode".
– MXX-123 con paravientos, indicador de nivel y patas ajustables.
– Interface bi-direccional RS-232 o interface USB-interface como opción para una sencilla comunicación.
– 2 años de garantia.

Modelo	Legibilidad	Capacidad	Tamaño	Version	Precios-06
MXX-123	0,001 g	120 g	∅ 97 mm	1	425,00Eur
MXX-612	0,01 g	610 g	142×130 mm	3	285,00Eur
MXX-412	0,01 g	410 g	142×130 mm	3	380,00Eur
MXX-212	0,01 g	210 g	∅ 97 mm	2	480,00Eur
MXX-5001	0,1 g	5000 g	142×130 mm	3	190,00Eur
MXX-2001	0,1 g	2000 g	142×130 mm	3	270,00Eur
MXX-601	0,1 g	610 g	142×130 mm	3	400,00Eur
MXX-10	1 g	10 kg	142×130 mm	3	200,00Eur
MXX-5	1 g	5 kg	142×130 mm	3	240,00Eur

* 16% I.V.A no incluído
* Portes pagados a partir de 300€.
* Entrega: 24 horas.

Denver Instrument GmbH
Robert-Bosch-Breite 10
37079 Goettingen, Germany
Phone +49.551.209 77-30
Fax +49.551.209 77-39
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Oficina en España : ELNOR IBERICA, S.A
Ronda de Poniente, nº 4
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Pinnacle

Pinnacle Series interfaces: RS232C, USB and LAN.
Pinnacle balances are unique in offering three interfaces for external communication. These will enable you to create a network of analytical laboratory instruments revolving around your Pinnacle. Data can be transferred to Windows applications without additional software, and weighing results can be documented in compliance with GLP/ISO 9000 using an optional printer or by simply storing them in your computer's memory.

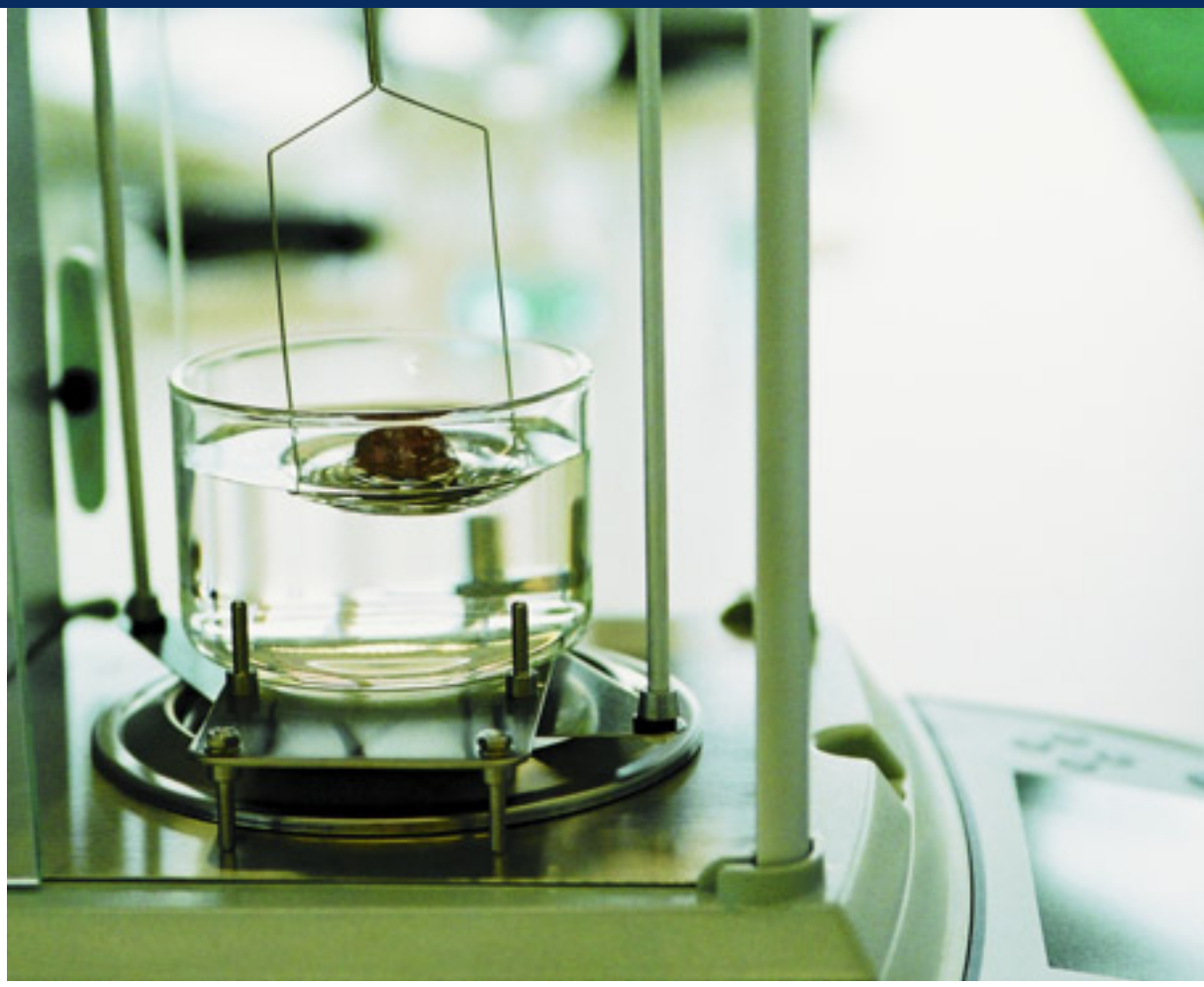
The Pinnacle Series:
Top Performance and Easy Operation

What's the optimal design for a user interface with outstanding features and a clear navigation system?
Pinnacle Series balances provide the answer: With the touch of a button, users access their powerful functions. Since all display information is self-explanatory, menu-driven operations are easily mastered.

The large display is backlit and can be adjusted to any environment, ensuring a high degree of readability wherever you use the balance. The bar graph indicator, giving a constant overview of capacity, is the ideal visual aid for all weighing applications. The user-friendly interface is complemented by sleek styling. A user manual is all but superfluous.

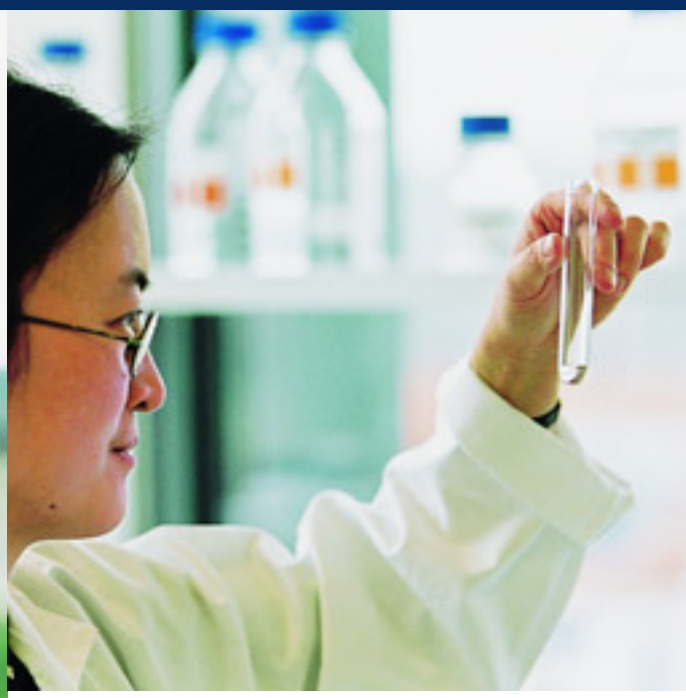
Rugged Construction and Superior Weighing Technology

Innovative, monolithic weighing technology and the latest ColdFire processors ensure years of reliable operation.



Pinnacle – at home in the wide world of precision weighing. Pinnacle balances from Denver Instrument display results in practically all international weight units. And two units can be shown simultaneously.

Percentage weighing and parts counting. It goes without saying that a balance of this performance class is capable of executing precise counting and percentage weighing operations. A statistics function indicates the total of all values, average values, standard deviation, minimum and maximum weight as well as the range of stored values. The convenient formulation program allows you to see current initial weights and total weight.



Additional features: integrated overload protection, stable placement on oversized feet, a leveling bubble, a durable, sealed keypad to protect electronic components, and a weigh-below port.

Calibration Deluxe:
for More Reliability and Convenience

Calibrating your Pinnacle is a breeze!

The Pinnacle balances that have a built-in calibration weight (PI Series) are operated with three calibration modes: a time-based mode with selectable intervals; a temperature-based mode; and an individual mode requiring only the touch of the calibration key.
All other balances in the series are calibrated with external calibration weights. The intelligent software recognizes the added weight and automatically completes calibration. It's a snap!

Pinnacle sets new standards.

Denver Instrument GmbH

Robert-Bosch-Breite 10
37079 Göttingen

Phone +49.551.20977-30
Fax +49.551.20977-39

www.denverinstrument.com
info@denverinstrument.de

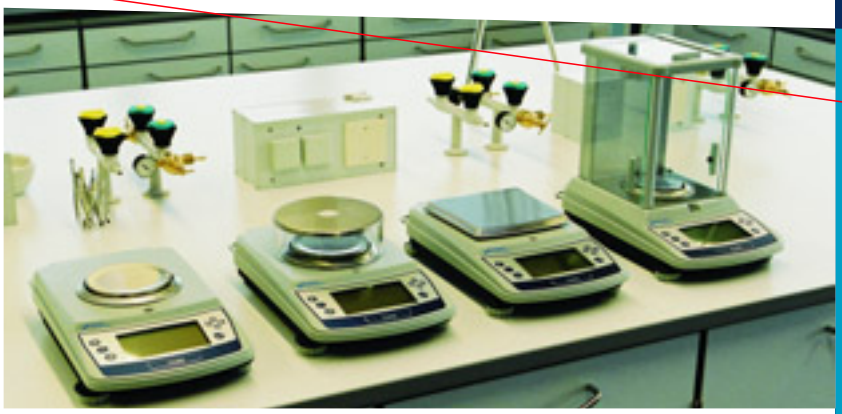
Models from left to right:

PI-602, PI-402, P-602, P-402

PI-403, PI-203, PI-603D, P-403, P-203, P-603D

PI-4002, PI-2002, PI-4002D, PI-6001, P-4002, P-2002, P-4002D, P-8001, P-6001, P-8002D

PI-314, PI-214, PI-114, P-314, P-214, P-114



Model	Readability	Weighing range	Pan size	Calibration
P-314	0.1 mg	310 g	ø 80 mm	external
PI-314	0.1 mg	310 g	ø 80 mm	internal
P-214	0.1 mg	210 g	ø 80 mm	external
PI-214	0.1 mg	210 g	ø 80 mm	internal
P-114	0.1 mg	110 g	ø 80 mm	external
PI-114	0.1 mg	110 g	ø 80 mm	internal
P-403	1 mg	400 g	ø 114 mm	external
PI-403	1 mg	400 g	ø 114 mm	internal
P-203	1 mg	200 g	ø 114 mm	external
PI-203	1 mg	200 g	ø 114 mm	internal
P-603D	0.001/0.1 g	100 g/600 g	ø 114 mm	external
PI-603D	0.001/0.1 g	100 g/600 g	ø 114 mm	internal
P-4002	0.01 g	4,000 g	178 x 178 mm	external
PI-4002	0.01 g	4,000 g	178 x 178 mm	internal
P-2002	0.01 g	2,000 g	178 x 178 mm	external
PI-2002	0.01 g	2,000 g	178 x 178 mm	internal
P-602	0.01 g	600 g	ø 114 mm	external
PI-602	0.01 g	600 g	ø 114 mm	internal
P-402	0.01 g	400 g	ø 114 mm	external
PI-402	0.01 g	400 g	ø 114 mm	internal
P-4002D	0.01/0.1 g	400 g/4,000 g	178 x 178 mm	external
PI-4002D	0.01/0.1 g	400 g/4,000 g	178 x 178 mm	internal
P-8001	0.1 g	8,000 g	178 x 178 mm	external
P-6001	0.1 g	6,000 g	178 x 178 mm	external
PI-6001	0.1 g	6,000 g	178 x 178 mm	internal
P-8002 D	0.01/0,1g	800 g/8,000 g	178 x 178 mm	external

A wide range of accessories available upon request

The applications in detail:

If you wish to count parts, determine your weight in another weighing unit or calculate the percentage loss of a sample - the Summit offers the adequate solution for every demand. All Summit balances include these programs:

– Counting
– Weighing in Percent
– Net total (Formulation)
– Calculating
– Animal weighing/Averaging
– Totalising
– Density determination
– Mass unit conversion, you can read four units simultaneously, 22 different mass units are available.
– ISO/GLP-conforming protocol
– Hook for weighing below*

Calibration weights

Model	Accuracy Class	Weight	Cat.-no.
S-234	E2	200 g	870200.8
S-114	E2	100 g	870100.8
S-64	E2	50 g	870050.8
S-603	E2	500 g	870500.8
S-403	E2	200 g	870200.8
S-203	F1	200 g	870200.5
S-6002	E2	5 kg	875000.8
S-4002	E2	2 kg	872000.8
S-2002	F2	2 kg	872000.6
S-602	F2	600 g	870500.6
S-402	F2	400 g	870200.6
S-8001	F2	5 kg	875000.6
S-4001	F2	2 kg	872000.6

Accessories	Cat.-No.
Analytical draft shield for mg-balances	on request
In-use cover	on request
Printer with connection cable	901042-1
Cable with 9-pin connector for balances	400191-1
Anti-theft locking device	400171-1
Density determination kit	301377-1
External rechargeable battery	301380-2

* not permitted for stamp approval use

Denver Instrument GmbH
Robert-Bosch-Breite 10
37079 Goettingen, Germany
Phone +49.551.209 77-30
Fax +49.551.209 77-39
www.denverinstrument.com
info@denverinstrument.de

SPAIN office:
Ronda de Poniente nº 4
Centro Empresarial EURONOVA
28760-TRES CANTOS (Madrid)
elnoriberica@elnoriberica.com
Phone +34-91-806-04-09
Fax +34-91-804-14-96

The new Denver Summit offers advanced technology at affordable prices. Extremely fast measuring times and increased weighing capacities make the difference.
All Summit-balances are "Made in Germany" – which guarantees superb workmanship. This is supported by our 5-year warranty on every Summit balance.

1. Extensive model range

The new and extended Summit series offers a wide range of multiple models. An analytical balance up to 230 g, a mg-balance up to 600 g, a 10 mg-balance with 6000 g capacity or one model with 0,1 g resolution and 8 kg capacity – all this is available under the new Summit. All models of the SI-line are equipped with a motorized, internal calibration weight. The calibration of all models of the S-line can easily and quickly be done with an external calibration weight.

2. User friendly operation

The user guidance in the Summit is carried out by short-text-terms in five languages. It allows the user to configure and operate the balance easily, almost without the instruction manual. All settings can be easily adjusted via the navigation keys of the menu. Easy handling during your daily weighing routines via the large Tare-key. During daily lab routines, the extremely short response times of the Summit balances deliver fast and accurate results, yet another convincing factor when choosing the Summit.

3. Attention to detail

A large, backlit display guarantees best readouts under all conditions. The comprehensive program library assists you with solving any weighing problems. The standard RS232 Interface allows you to prepare an ISO/GLP-conforming protocol.

4. Quality in all areas

Driven by the latest microprocessor technology and well proven monolithic weighing systems, the Summit delivers reliable and stable weighing results under all conditions. Powerful algorithms are able to compensate for even the most complex environmental conditions. All models are available with DKD-certificate on request.

The quality of this product is exceptional, so much so, we give a 5-year warranty on every Summit balance.

Model	Read-ability	Capacity	Pan size	Reprodu-cibility	Meas. time	Version
Summit-SI						
SI-234	0.1 mg	230 g	∅ 90 mm	0.1 mg	2.5 sec	1
SI-114	0.1 mg	110 g	∅ 90 mm	0.1 mg	2.5 sec	1
SI-64	0.1 mg	60 g	∅ 90 mm	0.1 mg	2.5 sec	1
SI-603	0.001 g	600 g	∅ 115 mm	0.001 g	1 sec	2
SI-403	0.001 g	400 g	∅ 115 mm	0.001 g	1 sec	2
SI-203	0.001 g	200 g	∅ 115 mm	0.001 g	1 sec	2
SI-6002	0.01 g	6,000 g	180×180 mm	0.01 g	1 sec	3
SI-4002	0.01 g	4,000 g	180×180 mm	0.01 g	1 sec	3
SI-2002	0.01 g	2,000 g	180×180 mm	0.01 g	1 sec	3
SI-602	0.01 g	600 g	∅ 115 mm	0.01 g	1 sec	4
SI-402	0.01 g	400 g	∅ 115 mm	0.01 g	1 sec	4
SI-8001	0.1 g	8,000 g	180×180 mm	0.1 g	1 sec	3
SI-4001	0.1 g	4,000 g	180×180 mm	0.1 g	1 sec	3
Summit-S						
S-234	0.1 mg	230 g	∅ 90 mm	0.1 mg	2.5 sec	1
S-114	0.1 mg	110 g	∅ 90 mm	0.1 mg	2.5 sec	1
S-64	0.1 mg	60 g	∅ 90 mm	0.1 mg	2.5 sec	1
S-603	0.001 g	600 g	∅ 115 mm	0.001 g	1 sec	2
S-403	0.001 g	400 g	∅ 115 mm	0.001 g	1 sec	2
S-203	0.001 g	200 g	∅ 115 mm	0.001 g	1 sec	2
S-6002	0.01 g	6,000 g	180×180 mm	0.01 g	1 sec	3
S-4002	0.01 g	4,000 g	180×180 mm	0.01 g	1 sec	3
S-2002	0.01 g	2,000 g	180×180 mm	0.01 g	1 sec	3
S-602	0.01 g	600 g	∅ 115 mm	0.01 g	1 sec	4
S-402	0.01 g	400 g	∅ 115 mm	0.01 g	1 sec	4
S-8001	0.1 g	8,000 g	180×180 mm	0.1 g	1 sec	3
S-4001	0.1 g	4,,000 g	180×180 mm	0.1 g	1 sec	3

Version 1

Version 2

Version 3

Version 4

DENVER INSTRUMENT

GERMAN TECHNOLOGY

125 years Quality through Innovation

La Serie de Balanzas TP–
la calidad sin competencia.

La Serie TP series establece nuevos patrones en la clase de balanzas económicas para el laboratorio.

TP-214

Las características más destacadas de la Serie TP de Denver Instrument son: fácil utilización, rápidas lecturas, precisión y fiabilidad, convirtiéndolas en el equipo ideal para el laboratorio, en investigación y en la enseñanza.

TP-303

Precio asequible: La linea TP- es la mejor solución para presupuestos ajustados con unos precios muy atractivos.

Nueva Tecnología: Exactitud y una rápida velocidad de respuesta gracias al nuevo conjunto de pesada incorporado en le Serie TP.

Fácil utilización: Un sencillo display y un teclado ergonómico, convierten a estas balanzas en las más sencillas de utilizar aen cualquier momento. Pesar nunca fue tan fácil.

TP-303i

Programas de aplicación: La linea TP-incorpora un gran número de programas de aplicación como ayuda en un buen número de procedimientos de pesaje, tales como cuentapiezas, % , formulación, peso medio, así como 19 unidades diferentes de peso.

Calibración Interna: El Mod. TP-303i incorpora internamente una masa de ajuste la cual puede ser activada manualmente mediante el dispositivo situado en el lateral derecho.

Robusta: El nuevo diseño de esta Serie asegura una larga vida a la balanza . El sistema monolítico de peso está bien protegido contra sobre cargas y libre de mantenimiento. 3 Años de Garantía.

TP-3002

ISO: Fabricación alemana de acuerdo con ISO-standards ISO 9001 : 2000 e ISO 14001.

GLP/GMP: Los protocolos-GLP/GMP-se pueden obtener conectando la balanza a una impresora (opcional) mediante una sencilla conexión via interface RS232- de serie.

Un producto de larga duración: Las Balanzas TP están fabricadas para trabajar y soportar con rigor ambientes industriales, en enseñanza o investigación. La robusta construcción, un teclado protegido y una excelente calidad en su fabricación aseguran a estas balanzas muchos años de funcionamiento con total fiabilidad.

	Capacidad	Legibilidad	Reproducibilidad	Dim.Plato	Calibración	Tiempo estab.
TP-214	210g	0.0001g	0.0001g	∅ 80 mm	external	3 sec
TP-303i	310g	0.001g	0.001g	∅ 97mm	internal manual	2 sec
TP-303	310g	0.001g	0.001g	∅ 97mm	external	2 sec
TP-3002	3100g	0.01g	0.01g	174 × 143mm	external	1 sec

Otros accesorios disponibles bajo pedido.

Oficina en España:

Elnor Iberica,S.A.
Ronda de Poniente, nº4
28760 TRES CANTOS-Madrid
Tel: 91-8060409
Fax: 91-8041496

Denver Instrument GmbH
Robert-Bosch-Breite 10
37079 Goettingen, Germany
Phone +49.551.209 77-30
Fax +49.551.209 77-39
www.denverinstrument.com
info@denverinstrument.de

DENVER INSTRUMENT®

GERMAN TECHNOLOGY

125 years Quality through Innovation

DLT – Series

Best value for money

DLT – Series
Best value for money

Denver Instrument offers with the DLT-line a new series of portable, compact and very economically priced balances for all basic weighing tasks in this segment. The DLT-line is a real new alternative for all demands in schools, in the Lab or in the factory, where simple and cheap weighing devices are required.

Despite the very attractive prices the Denver DLT offers very reliable and precise weighing results and easy handling with just 3 buttons in the well-known Denver tradition.

Features and Equipment

- Large display
- Sturdy housing and compact design
- Battery – or AC powered (power supply optional)
- Energy saving mode
- Easy handling
- External Calibration
- Balances are stackable
- 9V battery included
- Antitheft locking device
- Battery saving mode
- Transportation locking device
- 2 Years warranty

Model	Capacity	Read-ability	Measuring time	Linearity	Pan size	Netweight
DLT-411	410 g	0.1 g	1.5 sec	± 0.2 g	135 × 140 mm	440 g
DLT-211	210 g	0.1 g	1.5 sec	± 0.2 g	135 × 140 mm	440 g
DLT-4100	4,100 g	1 g	1.5 sec	± 2 g	135 × 140 mm	440 g
DLT-2100	2,100 g	1 g	1.5 sec	± 2 g	135 × 140 mm	440 g

Denver Instrument GmbH
Robert-Bosch-Breite 10
37079 Goettingen, Germany
Phone +49.551.209 77-30
Fax +49.551.209 77-39
www.denverinstrument.com
info@denverinstrument.de

DENVER INSTRUMENT®

GERMAN TECHNOLOGY

125 years Quality through Innovation

General Catalogue Weighing Technology

From Tradition to Innovation

More than 125 years ago, in 1880, the English watchmaker William Ainsworth founded Denver Instrument in the USA. In 2002 we set the new course and started Denver Instrument GmbH in Göttingen.

Proper market observations and a high degree of innovation results in a product portfolio which offers the right balance for every demand in the field of laboratory applications. It goes without saying, that different customer demands have been taken into consideration so that we can divide our balance spectrum into 4 lines:

Premium: We put our main attention with the premium balances on there performance. Large graphic display and self-explanatory user guide – means all demands can be fulfilled.

Standard: Extensive capacities, good equipment and an outstanding price/performance Ratio are the characteristics of these lines.

Basic: For the users, who won't compromise on good weighing technology and timely documentation, but have to look after their budgets.

Low cost: The entry level offers a lot of balance for little money. For schools, universities, Industry or lab, you always have the right model.

Denver Instrument employs 160 people worldwide and has offices on three continents. The majority of our products are manufactured in Germany.

Readability	Capacity	Model	Category	Page
0.01 mg/0.1 mg	60/220 g	PI-225DA	Premium	4–5
0.01 mg/0.1 mg	60/210 g	TB-215D	Standard	6–7
0.1 mg	310 g	P/PI-314	Premium	4–5
0.1 mg	210 g	P/PI-214	Premium	4–5
0.1 mg	110 g	P/PI-114	Premium	4–5
0.1 mg	230 g	S/SI-234	Standard	6–7
0.1 mg	110 g	S/SI-114	Standard	6–7
0.1 mg	60 g	S/SI-64	Standard	6–7
0.1 mg	210 g	TP-214	Basic	8
1 mg	400 g	P/PI-403	Premium	4–5
1 mg	200 g	P/PI-203	Premium	4–5
0.001/0.01 g	100/600 g	P/PI-603D	Premium	4–5
1 mg	600 g	S/SI-603	Standard	6–7
1 mg	400 g	S/SI403	Standard	6–7
1 mg	200 g	S/SI-203	Standard	6–7
1 mg	300 g	TP-303i	Basic	8
1 mg	300 g	TP-303	Basic	8
1 mg	120 g	MXX-123	Basic	9
0.01 g	4000 g	P/PI-4002	Premium	4–5
0.01 g	2000 g	P/PI-2002	Premium	4–5
0.01 g	600 g	P/PI-602	Premium	4–5
0.01 g	400 g	P/PI-402	Premium	4–5
0.01/0.1 g	400/4000 g	P/PI-4002D	Premium	4–5
0.01/0.1 g	800/8000 g	P-8002D	Premium	4–5
0.01 g	6000 g	S/SI-6002	Standard	6–7
0.01 g	4000 g	S/SI-4002	Standard	6–7
0.01 g	2000 g	S/SI-2002	Standard	6–7
0.01 g	600 g	S/SI-602	Standard	6–7
0.01 g	400 g	S/SI-402	Standard	6–7
0.01 g	3000 g	TP-3002	Basic	8
0.01 g	610 g	MXX-612	Basic	9
0.01 g	410 g	MXX-412	Basic	9
0.01 g	210 g	MXX-212	Basic	9
0.01 g	300 g	XP-300	Low Budget	10
0.02 g	600 g	XP-600	Low Budget	10
0.05 g	1500 g	XP-1500	Low Budget	10
0.1 g	8000 g	P-8001	Premium	4–5
0.1 g	6000 g	P/PI-6001	Premium	4–5
0.1 g	8000 g	S/SI-8001	Standard	6–7
0.1 g	6000 g	S/SI-6001	Standard	6–7
0.1 g	5000 g	MXX-5001	Basic	9
0.1 g	2000 g	MXX-2001	Basic	9
0.1 g	600 g	MXX-601	Basic	9
0.1 g	3000 g	XP-3000	Low Budget	10
0.1 g	500 g	DL-501	Low Budget	11
0.5 g	2000 g	DL-2	Low Budget	11
1 g	10000 g	MXX-10	Basic	9
1 g	5000 g	MXX-5	Basic	9
1 g	3000 g	DL-3	Low Budget	11

Easy to use –
The operation manual is in the display

Denver Instrument stands for easy operation and absolute clear user-interfaces. The Pinnacle-Series combines a clear user navigation system with outstanding features.

With a touch of a button, users access their powerful functions. Since all display information are self-explanatory, menu-driven operations are easily mastered.

The menu communication can be done in four languages.
Pinnacle – Top performance and easy operation.

And here are the highlights of the Pinnacle Series:

Display with outstanding equipment and clear user-guidance
– All functions can be activated by a touch of a button
– Self-explanatory processes and information via the display.
– Back lit, high contrast display – for best readout under all conditions.
– Communication and User guidance in four languages

Calibration – more Reliability and safety with the new Denver Cal®
– DenverCal® offers three calibration modes: Time based mode with intervals, temperature based or individual requiring only a touch of the button. (PI-Series with built-in calibration weight)
– Calibration with free selectable weight in the P-series. The intelligent software recognizes the added wieght and complete the calibration.

Three Communication interfaces – for external communication
– Pinnacle balances are unique in offering three communication interfaces: RS232C, USB and LAN
– Data can be transferred to Windows-Applications via USB without additional software

Comprehensive Application library
– User-friendly programs for all common applications like counting, +/- control, animal weighing, %-weighing, formulation and statistics, support you in solving all your weighing tasks

Technical dates

Model	Readability	Capacity	Pan size
PI-225DA	0.01 mg/0.1 mg	60/2220 g	∅ 78 mm
PI-314 *	0.1 mg	310 g	∅ 78 mm
P-314	0.1 mg	310 g	78 mm
PI-214 *	0.1mg	210 g	78 mm
P-214	0.1 mg	210 g	78 mm
PI-114 *	0.1 mg	110 g	78 mm
P-114	0.1 mg	110 g	78 mm
PI-403 *	0.001 g	400 g	115 mm
P-403	0.001 g	400 g	115 mm
PI-203 *	0.001 g	200 g	115 mm
P-203	0.001 g	200 g	115 mm
P/PI-603D	0.001/0.01 g	100/600 g	115 mm
PI-4002 *	0.01 g	4000 g	180 × 175 mm
P-4002	0.01 g	4000 g	180 × 175 mm
PI-2002 *	0.01 g	2000 g	180 × 175 mm
P-2002	0.01 g	2000 g	180 × 175 mm
PI-602 *	0.01 g	600 g	114 mm
P-602	0.01 g	600 g	114 mm
PI-402 *	0.01 g	400 g	114 mm
P-402	0.01 g	400 g	114 mm
P/PI-4002D	0.01/0.1 g	400/4000 g	180 × 175 mm
P-8002D	0.01/0.1 g	800/8000 g	180 × 175 mm
P-8001	0.1 g	8000 g	180 × 175 mm
P/PI-6001	0.1 g	6000 g	180 × 175 mm

* Stamp approverd ex factory, please add an “A” to the cat.-no.

Advanced Technology – economically priced

The new Denver Summit offers advanced technology at affordable prices. Extreme fast measuring times and the increased weighing capacities makes the difference. All Summit-balances are "Made in Germany" – which guarantees superb workmanship. We bring that out in granting 5 years warranty on every Summit balance.

Extensive Model portfolio

The new and extended Summit series offers a wide range of multiple models. An Analytical balance up to 230 g. a mg-balance up to 600 g , a 10 mg-balance with 6000 g capacity or one model with 0.1 g resolution and 8 kg capacity – all that is available under the new summit. All models of the SI-line are equipped with a built-in, motorized calibration weight. The models of the S-series can be calibrated easily with an external calibration weight.

Practice-related handling

The user guidance in the Summit are carried out by short-text-terms in five languages. It allows the user to configure and handle the balance almost without an instruction manual. All settings can easily be adjusted via the navigation keys of the menu. Easy handling during your daily weighing routines via the huge Tare-key. Convincing in the daily Lab routines are also the extreme short response times of the Summit balances.

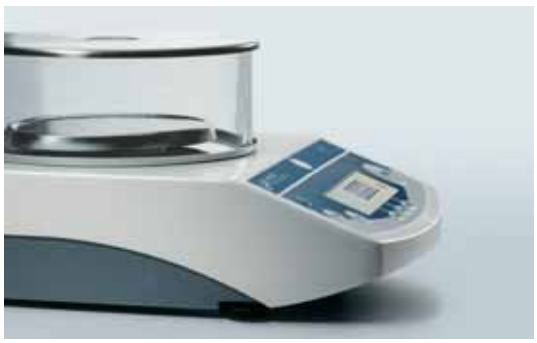
High valued Equipment

A huge, back lit display guarantees best readouts under all conditions. The comprehensive program library assists you in solving most of your weighing problems. The standard RS232 Interface allows you to prepare a ISO/GLP-conform protocol.

Quality in every detail

Driven by latest Microprocessor technology and well proven monolithic weighing systems the Summit delivers reliable and stable weighing results under all conditions. Powerful algorithms are able to compensate even complex environmental conditions. All models are available with DKD-certificate on request.

As we are very much convinced from the quality of our products, we grant 5 years warranty on every Summit balance.



Technical dates

Model	Read-ability	Capacity	Pan Size	Repro-ducibility	Measuring time
Summit-SI					
TB-215D	0.01/0.1 mg	60/210 g	∅ 80 mm	0.02/0.1 mg	6/3 sec
SI-234*	0.1 mg	230 g	∅ 90 mm	0.1 mg	2.5 sec
SI-114*	0.1 mg	110 g	∅ 90 mm	0.1 mg	2.5 sec
SI-64*	0.1 mg	60 g	∅ 90 mm	0.1 mg	2.5 sec
SI-603*	0.001 g	600 g	∅ 115 mm	0.001 g	1 sec
SI-403*	0.001 g	400 g	∅ 115 mm	0.001 g	1 sec
SI-203*	0.001 g	200 g	∅ 115 mm	0.001 g	1 sec
SI-6002*	0.01 g	6000 g	180×180 mm	0.01 g	1 sec
SI-4002*	0.01 g	4000 g	180×180 mm	0.01 g	1 sec
SI-2002*	0.01 g	2000 g	180×180 mm	0.01 g	1 sec
SI-602*	0.01 g	600 g	∅ 115 mm	0.01 g	1 sec
SI-402	0.01 g	400 g	∅ 115 mm	0.01 g	1 sec
SI-8001*	0.1 g	8000 g	180×180 mm	0.1 g	1 sec
SI-4001*	0.1 g	4000 g	180×180 mm	0.1 g	1 sec

* stamp approvd available in October 2006

Summit-S					
S-234	0.1 mg	230 g	∅ 90 mm	0.1 mg	2.5 sec
S-114	0.1 mg	110 g	∅ 90 mm	0.1 mg	2.5 sec
S-64	0.1 mg	60 g	∅ 90 mm	0.1 mg	2.5 sec
S-603	0.001 g	600 g	∅ 115 mm	0.001 g	1 sec
S-403	0.001 g	400 g	∅ 115 mm	0.001 g	1 sec
S-203	0.001 g	200 g	∅ 115 mm	0.001 g	1 sec
S-6002	0.01 g	6000 g	180×180 mm	0.01 g	1 sec
S-4002	0.01 g	4000 g	180×180 mm	0.01 g	1 sec
S-2002	0.01 g	2000 g	180×180 mm	0.01 g	1 sec
S-602	0.01 g	600 g	∅ 115 mm	0.01 g	1 sec
S-402	0.01 g	400 g	∅ 115 mm	0.01 g	1 sec
S-8001	0.1 g	8000 g	180×180 mm	0.1 g	1 sec
S-4001	0.1 g	4000 g	180×180 mm	0.1 g	1 sec

The applications in detail:

- Counting
- Weighing in Percent
- Net total (Formulation)
- Calculating
- Animal weighing/Averaging
- Totalising
- Density determination
- Mass unit conversion, 22 different mass units are available
- ISO/GLP-conform protocol
- Weighing below the balance

TP-Series – the economical line for the Lab

The TP series sets new standards in the class of economical laboratory balances. The performance of the TP-line from Denver Instrument featuring easy operation, fast readouts, precision and reliability makes this balance the ideal instrument for laboratory, research and educational environments.

Affordable price: The TP-line is the best solution for tight budgets with its very attractive prices.
New technology: Quick, exact and fast readouts are guaranteed with the new weighing technology incorporated in the TP-line.
Easy operation: The clear display and the ergonomic key pad with huge, clear function keys offers easy handling at any time. Weighing operation was never easier.
Application software: The TP-line comes with a number of useful application programs helping to simplify your weighing tasks, such as counting, %-weighing, formulation, average weighing, weighing in 19 different weigh units
Internal Calibration: The TP-303i has a built-in calibration weight which can be activated manually by a round handle.
Robust: The well-engineered construction is designed for a long lifetime. The monolithic weighing system is overload protected and maintenance-free. 3 Years warranty.
ISO: Production according ISO-standards ISO 9001 : 2000 and ISO 14001.
GLP/GMP: The GLP/GMP-protocol can be obtained with an optional printer.
Easy connection via the standard RS232-Interface. With no extra purchase cost if you need to print
Long Product life: The TP balances are built sturdily to withstand the rigours of research, industrial and educational environments. The rugged construction, protected key pad and superb weighing technology ensures years of reliable operation and working.

Model	Readability	Capacity	Pan size	Measuring time
TP-214	0.0001 g	210 g	∅ 80 mm	3.5 sec
TP-303	0.001 g	310 g	∅ 100 mm	2.5 sec
TP-303i	0.001 g	310 g	∅ 100 mm	2.5 sec
TP-3002	0.01 g	3100 g	174×143 mm	2.5 sec
TP-512A*	0.01 g	510 g	∅ 116 mm	2.0 sec
TP-1200A*	1 g	1200 g	174×143 mm	1.5 sec

* Stamp approved ex factory
Useful accessories are available on request.

TP-214

TP-303

TP-303i

TP-3002

MAXX – Series
MAXimum Balance – Minimum Price

Denver Instrument launches a line of portable compact balances, which sets new standards in this class. The MAXX-series offers high precision up to mg- accuracy and an extensive range of models - all at an unbeatable price. Latest, microprocessor controlled weighing technology guarantees fast and precise results at any time. Also the MAXX-series includes an extensive range of application programs and easy and comfortable handling, e.g. a back lit display. All these features of the new MAXX-Series, at an unrivalled price.

Features and Configuration:

– Huge, back lit display for comfortable readouts
– Protected foil and large, clearly defined buttons for easy handling
– Maximum overload protection
– Weighing pan made of stainless steel
– Compact design
– Simple and logical user guidance
– Fully-automatic, external Calibration
– Useful Application programs: weighing in 13 different weighing units , toggling between two different weighing units, counting, %-weighing, formulation, static display, determination of specific gravity
– Calibration weight included in MXX-123, MXX-212, MXX-412, MXX-612
– AC-adapter or battery operated (MXX-123 power supply only)
– Device for weighing below
– AC Adapter included
– Security eyelet
– Battery saving sleep-mode
– MXX-123 with glass ring, level indicator and adjustable feet
– Bi-directional RS-232 or USB-interface as an option for easy data communication
– 2 years warranty

Model	Readability	Capacity	Pan size	Measuring time
MXX-123	0.001 g	120 g	∅ 97 mm	2.5 sec
MXX-612	0.01 g	610 g	142×130 mm	2.0 sec
MXX-412	0.01 g	410 g	142×130 mm	2.0 sec
MXX-212	0.01 g	210 g	∅ 97 mm	2.0 sec
MXX-5001	0.1 g	5000 g	142×130 mm	2.0 sec
MXX-2001	0.1 g	2000 g	142×130 mm	2.0 sec
MXX-601	0.1 g	610 g	142×130 mm	1.5 sec
MXX-10	1 g	10 kg	142×130 mm	1.5 sec
MXX-5	1 g	5 kg	142×130 mm	1.5 sec

MXX-123

MXX-212

MXX-612, -412, -5001, -2001, -601, -10, -5

Compartment for Cal.-weight

The Low Budget Series – Precision Balances for all Weighing Needs

These balances are always within reach when you need them. In the lab and at doctors' surgeries, for quality control work and use at universities, schools and jewellery stores – the low-budget series from Denver Instrument is the right choice for all environments in which precision weighing is required at an affordable price.

Quick, accurate weighing

State-of-the-art microprocessor technology ensures

Balance stability and reproducible results

Keys "click" audibly when pressed, making for easy and sure operation

In the field or at various points of use: the built-in recheargable battery offers a high degree of flexibility – the ideal instrument for outside uses.

The solid weighing technology and the sturdy construction guarantees for longlasting reliability and safety.

High-quality features

- High-contrast, large, easily readable LCD display
- Sealed, easy-to-clean keypad with large tactile-response keys
- Stainless steel weighing surface
- Rugged housing made of sturdy ABS plastic
- Compact design
- Two-year warranty
- Integrated rechargeable battery
- 7 weighing modes: gram, ounces, troy ounces, pennyweight, carat, grain or taels
- Automatic calibration
- Parts counting
- Percentage weighing
- Overload protection
- Battery-saving sleep mode
- Optional RS232C interface

Model	Readability	Weighing range	Pan size
XP-300	0.01 g	300 g	127×178 mm
XP-600	0.02 g	600 g	127×178 mm
XP-1500	0.05 g	1500 g	127×178 mm
XP-3000	0.1 g	3000 g	127×178 mm

DL Series
Portable Toploading Balances

The DL Series from Denver Instrument provides a low-cost alternative for the most basic of weighing applications. Battery operated. Powered by a single 9V battery the DL Series provides the ultimate portability.

Energy-saving mode
The balance will automatically turn itself of after a user-defined period of time.

Light-weight
Although the DL-balance weighs only 380 g, the design is sturdy and perfect for all conditions.

Large weighing pan
The square pan provides ample space for most samples. The pan can be removed for quick clean-up. AC-Adapter is available as an accessory.

Two years warranty

Simple three-key operation
Press the On/Tare button to turn the unit on or zero the balance. The Unit button toggles between weigh modes. The Off key turns the unit off.

Common Specifications

Unit Dimensions (L×W×H)	190×140×34 mm
Net Weight	380 g
Operating Temperature	10 °C – 30 °C
Electrical Requirements	9V battery or AC Adapter (sold separately)

Model	Readability	Capacity	Pan Size	Linearity
DL-501	0.1 g	500 g	138×138 mm	± 0.1 g
DL-2	0.5 g	2000 g	138×138 mm	± 0.5 g
DL-3	1 g	3000 g	138×138 mm	± 1 g

Moisture Analyzers IR-120

The IR-120 is the premium moisture analyzer from Denver Instrument. A first, this analyzer uses the new, revolutionary heatsource called the CQR. It guarantees the highest reproducibility and the fastest results.

The IR-120 has a motorized sample chamber cover that substantially reduces the effects of the surrounding environment when applying a sample and starting a measurement.

A highly accurate weighing system featuring 1-mg resolution up to a sample weight of 120 g, a readout accuracy of 0.01%, 100 program memory locations and easy operator guidance by symbols – these are the features you can expect in a premium product and will find in the IR-120.

This analyzer has a built-in printer that makes it exceptionally easy to generate GLP-/GMP-compliant printouts.

Simple operation using the 5 language menu and the extensive, integrated software provided give the user a high level of flexibility. The IR-120 is easy to clean thanks to its practical design and removable sample chamber base plate.

For the first time, Denver Instrument uses a newly developed CQR (Coiled Quartz Radiator) heater in the analyzer, a new generation quartz glass heater featuring novel technology that combines all the advantages of available heat sources, while eliminating their disadvantages. The CQR heating element offers the speed similar to that of all known heat sources, yet distributes heat rays much more evenly over the sample surface.

Performance Specifications of the IR-120

Weighing capacity	120 g
Accuracy of the weighing system	1 mg
Readability	0.01 %
Reproducibility	Initial sample weight ≥ 1 g (%) +/– 0.10 Initial sample weight ≥ 5 g (%) +/– 0.02
Temperature settings adjustable in 1-degree steps	40–210 °C
Standby temperature	40–100 °C
Heat source	CQR quartz glass radiator
Program memory locations	100
Sample pan	90 mm
Analysis modes	Fully automatic Semi-automatic g/sec. Semi-automatic %/sec. Time-out Time-out + Automatic
Data output	RS232

IR-60

High sample weighing capacity, easier-than-ever operation, space-saving design and a new, revolutionary heat source make the IR-60 an unbeatable analyzer in its class.

Just like its smaller "cousin," the IR-35, we placed a premium on creating a space-saving design. At the same time, we decisively expanded the performance range of the IR-60. We extended its temperature range to 210 °C. The maximum initial sample weighing capacity of 60 g and intuitive operator guidance make the IR-60 unique in its performance class. Guided by symbols, the user can navigate effortlessly through the menu and easily select the settings that are optimal for his or her specific needs – and all in five languages.

Performance Specifications of the IR-60

Weighing capacity	60 g
Accuracy of the weighing system	1 mg
Readability	0.01 %
Reproducibility	Initial sample weight ≥ 1 g (%) +/– 0.20 Initial sample weight ≥ 5 g (%) +/– 0.05
Temperature settings adjustable in 1-degree steps	40–210 °C
Heat source	CQR quartz heater
Program memory locations	5
Sample pan	90 mm
Analysis modes	Fully automatic Semi-automatic Time-out
Data output	RS232

IR-35

The allround analyzer for moisture analysis in organic and anorganic substances can universally be used in the chemical, pharmaceutical, environmantal analysis and sevage treatment industries.

The IR-35 is the new basic moisture analyser. The performance and the easy user concept are dedicated to daily standard routines, i.e. incoming inspection and production control. The clear and large display offers all necessary user infomation at one glance. New and easy symbols guide the user through the whole menu and all applications. Endpoint determination is done fully automatically. No need to program shut-off parameters. The drying process will be monitored constantly and the IR-35 stops the drying process automatically when a stable weight of the sample is reached.

Performance Specifications of the IR-35

Weighing capacity	35 g
Measurement accuracy	1 mg
Reproducibility	from an initial weight of 1 g (%) +/– 0.20 from an initial weight of 1 g (%) +/– 0.05
Display modes for readout	0.01 %
Result readout	Moisture, dry weight, RATIO (%), residue (g)
Analysis mode	Fully automatic, Timer settings 0.1– 99 min
Heating source	Infrared heating elements
Temperature range	40–160 °C
Data Interface	RS 232 - Printer optional
Sample pan	90 mm

Accessories

Accessories for all balances

Statistic-printer for Summit, TP-, MXX and XP-Balances	901042-1
Paper rolls for 901042-1 (Box of 5)	901044-1
Printer ribbon for 901042.1	901045-1
Anti-theft locking device	on request

Accessories for Pinnacle

Statistic-printer for all Pinnacle	902224-1
Printer cable for 901042-1	902225-1
Analytical draft shield for Pinnacle-mg	602643-1
Dust cover for Pinnacle with round Pan	602619-1
Dust cover for Pinnacle with square Pan	602620-1
Density determination kit for Analytical balances	301377-1
Weigh below kit Pinnacle	77000440-8

Accessories for Summit

Analytical draft shield for mg-balances	on request
In-use cover	on request
Printer with connection cable	901042-1
Cable with 9-pin connector for balances	400191-1
Anti-theft locking device	400171-1
Density determination kit	301377-1
External rechargeable battery	301380-2

Accessories for TP

External battery	301380-1
Dust cover for TP with round pan	602621-1
Dust cover for TP with square pan	602622-1

Accessories for DL

AC-adapter for DL-Euro	100501-1
AC-adapter for DL-UK	100501-2
AC-adapter for DL-110V	100501-3

Accessories for Moisture Analyser

Statistic-printer for IR-35 and IR-60	901042-1
Paper rolls for 901042-1 and IR-120 (5er-Pack)	901044-1
Sample pans Alu (Box of 80)	900274-1
Glasfibre filter (Box of 80)	900298-1
Calibration weight for IR 35	870030-5
Calibration weight for IR 60 and IR-120	870050-5

More accessories and prices for DKD – Certificates on request

Weights

E2

860001.8	1 mg
860002.8	2 mg
860005.8	5 mg
860010.8	10 mg
860020.8	20 mg
860050.8	50 mg
860100.8	100 mg
860200.8	200 mg
860500.8	500 mg
870001.8	1 g
870002.8	2 g
870005.8	5 g
870010.8	10 g
870020.8	20 g
870050.8	50 g
870100.8	100 g
870200.8	200 g
870500.8	500 g
871000.8	1 kg
872000.8	2 kg
875000.8	5 kg

F1

860001.5	1 mg
860002.5	2 mg
860005.5	5 mg
860010.5	10 mg
860020.5	20 mg
860050.5	50 mg
860100.5	100 mg
860200.5	200 mg
860500.5	500 mg
870001.5	1 g
870002.5	2 g
870005.5	5 g
870010.5	10 g
870020.5	20 g
870050.5	50 g
870100.5	100 g
870200.5	200 g
870500.5	500 g
871000.5	1 kg
872000.5	2 kg
875000.5	5 kg

F2

870001.6	1 g
870002.6	2 g
870005.6	5 g
870010.6	10 g
870020.6	20 g
870050.6	50 g
870100.6	100 g
870200.6	200 g
870500.6	500 g
871000.6	1 kg
872000.6	2 kg
875000.6	5 kg

M2

840200.4	200 g
841000.4	1.000 g
842000.4	2.000 g
844000.4	4.000 g

Weight sets

E2

894254-8	1 mg – 100 g
894264-8	1 mg – 200 g
894050-8	1 g – 100 g
895100-8	100 g – 1 kg

F1

894254-5	1 mg – 100 g
894050-5	1 g – 00 g
895100-5	100 g – 1 kg

F2

894254-6	1 mg – 100 g
894050-6	1 g – 100 g
895100-6	100 g – 1 kg

Denver Instrument GmbH

Robert-Bosch-Breite 10
37079 Goettingen, Germany

Phone +49.551.209 77-30
Fax +49.551.209 77-39

www.denverinstrument.com
info@denverinstrument.de

SPAIN office:

Ronda de Poniente nº 4
Centro Empresarial EURONOVA

Phone 34-91-806-04-09
Fax +34-91-804-14-96

www.denverinstrument.com
elnoriberica@elnoriberica.com

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TP-214

TP-303

TP-303i

TP-3002, TP-1502, TP-6101, TP-3101, TP-12

- Large easy to read high contrast LCD
- Sealed easy to clean keypad
- Stainless Steel weighing pan
- Compact and sturdy design
- Level Indicator and adjustable feet
- Internal, manual calibration in the TP-303i
- Automatic calibration with external weight
- Applications include unit conversion, parts counting, % weighing, display hold, totalizing
- Capable of displaying 14 multiple modes
- Security eyelet
- Bi-directional RS-232 interface
- Weighing Technology “Made in Germany”
- 3 years warranty
- Accessories: Printer, Cal-weights, Dust cover

Model	Capacity	Readability	Pan size	Stability time
TP-214	210 g	0.1 mg	∅ 80 mm	3 sec
TP-303i	310 g	0.001 g	∅ 97 mm	3 sec
TP-303	310 g	0.001 g	∅ 97 mm	3 sec
TP-3002	3100 g	0.01 g	174 × 143 mm	2.5 sec
TP-1502	1500 g	0.01 g	174 × 143 mm	2.5 sec
TP-6101	6100 g	0.1 g	174 × 143 mm	2 sec
TP-3101	3100 g	0.1 g	174 × 143 mm	2 sec
TP-12	12 kg	1 g	174 × 143 mm	1.5 sec

Spain office:
Ronda de Poniente nº 4
Centro Empresarial EURONOVA
28760-TRES CANTOS (Madrid)
Phone 34-918060409
Fax 34-918041496

Denver Instrument GmbH
Robert-Bosch-Breite 10
37079 Goettingen, Germany
Phone +49.551.209 77-30
Fax +49.551.209 77-39
www.denverinstrument.com
info@denverinstrument.de